WaTech
Washington Technology Solutions
Washington's Consolidated Technology Services Agency

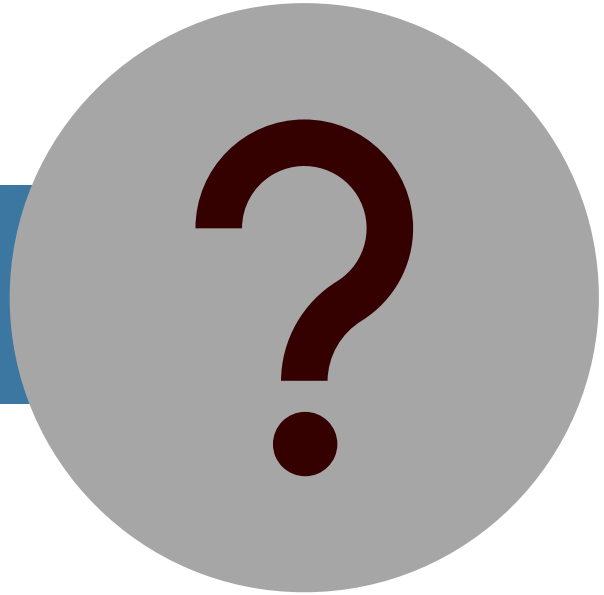
How do I share this data?! An update on GeoPortal 2.0

Joanne Markert – OCIO - WaTech

What will we cover?

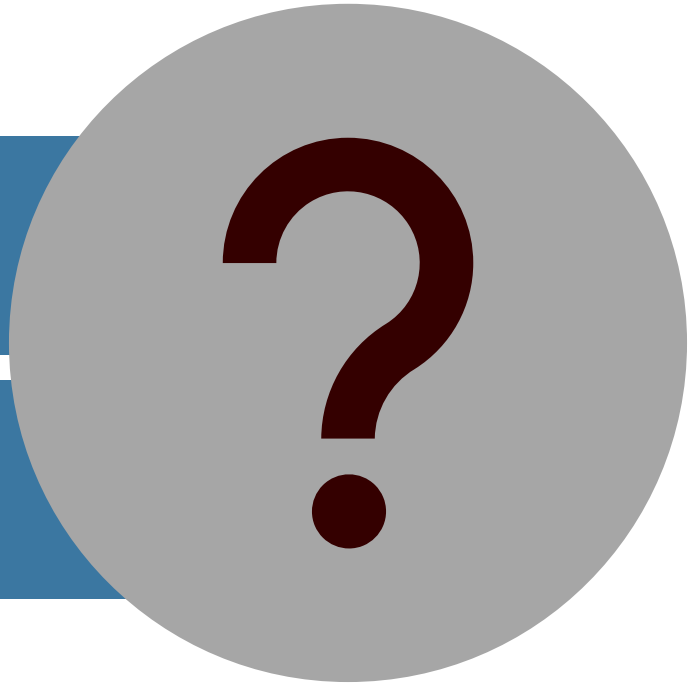
- What is GeoPortal 2.0?
- Current Project Status
  - Planning Phase - Requirements Gathering
  - Data Needs Survey - Initial Results
  - Next Steps
- Questions

What is GeoPortal 2.0?



~~What is GeoPortal 2.0?~~

What is GeoPortal 1.0?!



What is GeoPortal 1.0?

WaTech
Washington Technology Solutions
Washington's Consolidated Technology Services Agency

"We will provide efficiency, effectiveness and transparency." -Governor Jay Inslee, Inaugural Address, January 16th, 2013

GeoPortal Differences

GeoPortal 1.0

Washington's Geospatial Open Data Portal

GeoPortal 2.0

Natural Hazard Mitigation Data Portal

GeoPortal Differences

GeoPortal 1.0

Washington's Geospatial Open Data Portal

https://geo.wa.gov

ArcGIS Online

- GIS Data Sharing for Open Data
  - Category 1 – public data
- State Agencies host their data and share ArcGIS Online/Portal items directly geo.wa.gov
- Some items hosted for efficiency

GeoPortal 2.0

Natural Hazard Mitigation Data Portal

https://geoportal2.watech.wa.gov

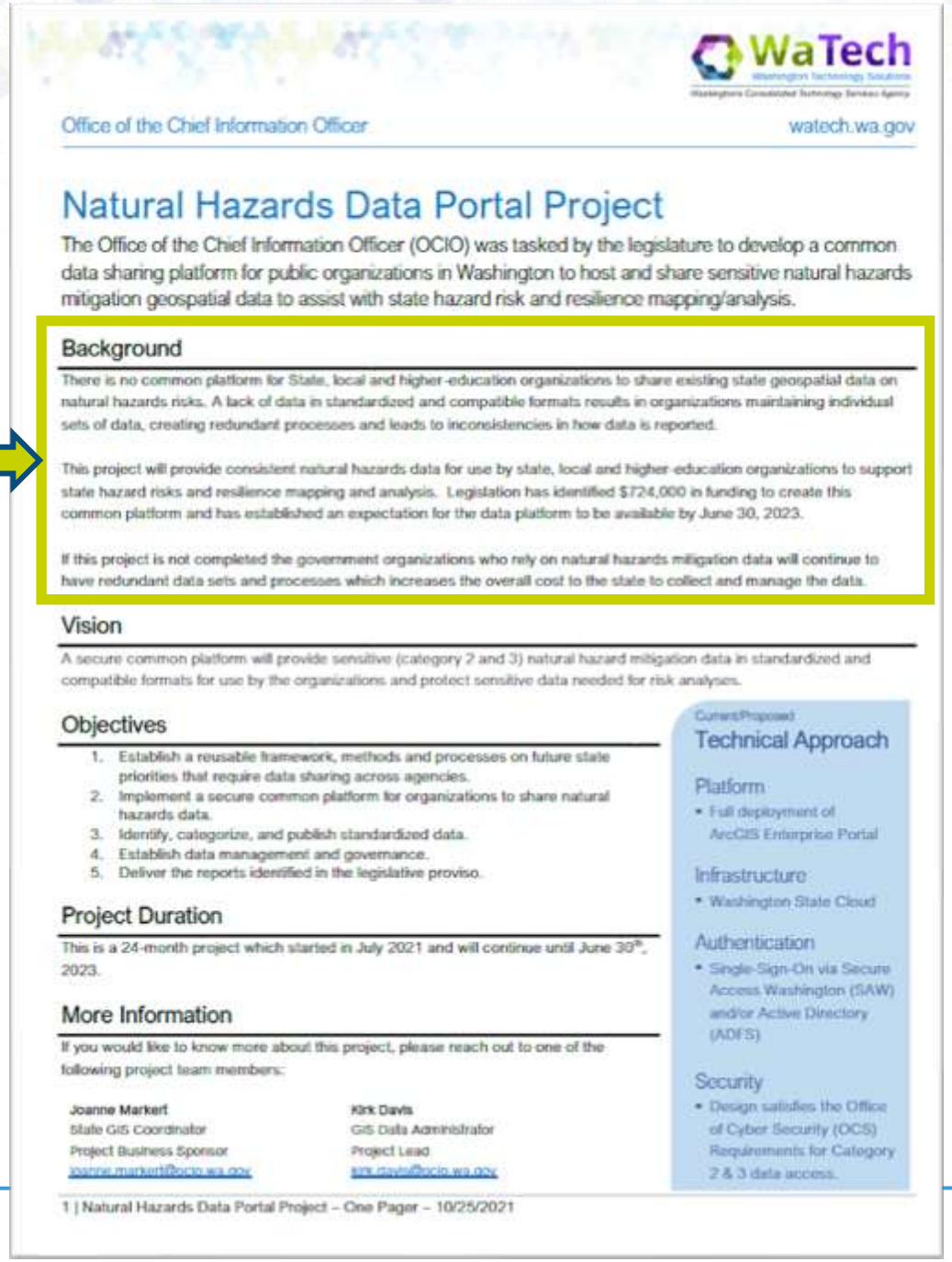
Portal for ArcGIS

- Focused on Natural Hazards Mitigation
- GIS Data Sharing for Sensitive datasets
  - Category 2 & 3
- Chartered organizations securely share ArcGIS Online/Portal items and control access
- Authenticated per OCS Standards/SAW

What is GeoPortal 2.0?

Natural Hazards Mitigation Data Portal Project **BACKGROUND**

- No common platform for sharing existing data on natural hazard risks
- Support state hazard risk, resilience mapping and analysis
- Legislation identified $724k in funding to create this common platform
- ‘Gated’ project under OCIO Oversight and QA



WaTech

Office of the Chief Information Officer watech.wa.gov

Natural Hazards Data Portal Project

The Office of the Chief Information Officer (OCIO) was tasked by the legislature to develop a common data sharing platform for public organizations in Washington to host and share sensitive natural hazards mitigation geospatial data to assist with state hazard risk and resilience mapping/analysis.

Background

There is no common platform for State, local and higher-education organizations to share existing state geospatial data on natural hazards risks. A lack of data in standardized and compatible formats results in organizations maintaining individual sets of data, creating redundant processes and leads to inconsistencies in how data is reported.

This project will provide consistent natural hazards data for use by state, local and higher-education organizations to support state hazard risks and resilience mapping and analysis. Legislation has identified $724,000 in funding to create this common platform and has established an expectation for the data platform to be available by June 30, 2023.

If this project is not completed the government organizations who rely on natural hazards mitigation data will continue to have redundant data sets and processes which increases the overall cost to the state to collect and manage the data.

Vision

A secure common platform will provide sensitive (category 2 and 3) natural hazard mitigation data in standardized and compatible formats for use by the organizations and protect sensitive data needed for risk analyses.

Objectives

1. Establish a reusable framework, methods and processes on future state priorities that require data sharing across agencies.
2. Implement a secure common platform for organizations to share natural hazards data.
3. Identify, categorize, and publish standardized data.
4. Establish data management and governance.
5. Deliver the reports identified in the legislative proviso.

Project Duration

This is a 24-month project which started in July 2021 and will continue until June 30th, 2023.

More Information

If you would like to know more about this project, please reach out to one of the following project team members:

Joanne Markert
State GIS Coordinator
Project Business Sponsor
joanne.markert@ocio.wa.gov

Kirk Davis
GIS Data Administrator
Project Lead
kirk.davis@ocio.wa.gov

Current/Proposed
Technical Approach

Platform
- Full deployment of ArcGIS Enterprise Portal

Infrastructure
- Washington State Cloud

Authentication
- Single-Sign-On via Secure Access Washington (SAW) and/or Active Directory (ADFS)

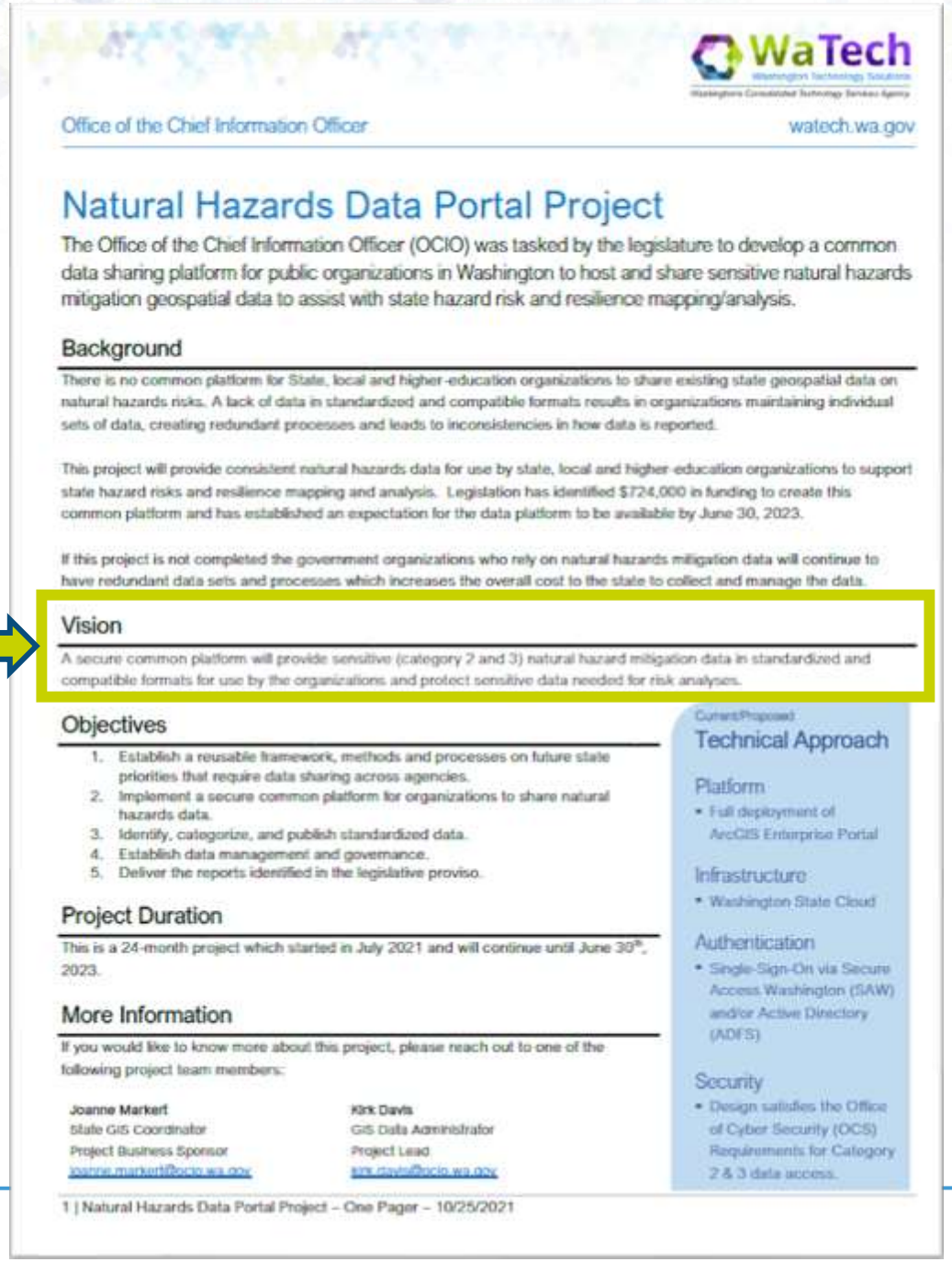
Security
- Design satisfies the Office of Cyber Security (OCS) Requirements for Category 2 & 3 data access.

1 | Natural Hazards Data Portal Project – One Pager – 10/25/2021

What is GeoPortal 2.0?

Natural Hazards Mitigation Data Portal Project **VISION**

- A secure common platform for sensitive natural hazards mitigation data
- Focused on category 2 & 3 datasets
- Data formats are compatible with chartered organizations



WaTech

Office of the Chief Information Officer watech.wa.gov

Natural Hazards Data Portal Project

The Office of the Chief Information Officer (OCIO) was tasked by the legislature to develop a common data sharing platform for public organizations in Washington to host and share sensitive natural hazards mitigation geospatial data to assist with state hazard risk and resilience mapping/analysis.

Background

There is no common platform for State, local and higher-education organizations to share existing state geospatial data on natural hazards risks. A lack of data in standardized and compatible formats results in organizations maintaining individual sets of data, creating redundant processes and leads to inconsistencies in how data is reported.

This project will provide consistent natural hazards data for use by state, local and higher-education organizations to support state hazard risks and resilience mapping and analysis. Legislation has identified $724,000 in funding to create this common platform and has established an expectation for the data platform to be available by June 30, 2023.

If this project is not completed the government organizations who rely on natural hazards mitigation data will continue to have redundant data sets and processes which increases the overall cost to the state to collect and manage the data.

Vision

A secure common platform will provide sensitive (category 2 and 3) natural hazard mitigation data in standardized and compatible formats for use by the organizations and protect sensitive data needed for risk analyses.

Objectives

1. Establish a reusable framework, methods and processes on future state priorities that require data sharing across agencies.
2. Implement a secure common platform for organizations to share natural hazards data.
3. Identify, categorize, and publish standardized data.
4. Establish data management and governance.
5. Deliver the reports identified in the legislative proviso.

Current/Proposed

Technical Approach

Platform
- Full deployment of ArcGIS Enterprise Portal

Infrastructure
- Washington State Cloud

Authentication
- Single-Sign-On via Secure Access Washington (SAW) and/or Active Directory (ADFS)

Security
- Design satisfies the Office of Cyber Security (OCS) Requirements for Category 2 & 3 data access.

Project Duration

This is a 24-month project which started in July 2021 and will continue until June 30th, 2023.

More Information

If you would like to know more about this project, please reach out to one of the following project team members:

Joanne Markert
State GIS Coordinator
Project Business Sponsor
joanne.markert@ocio.wa.gov

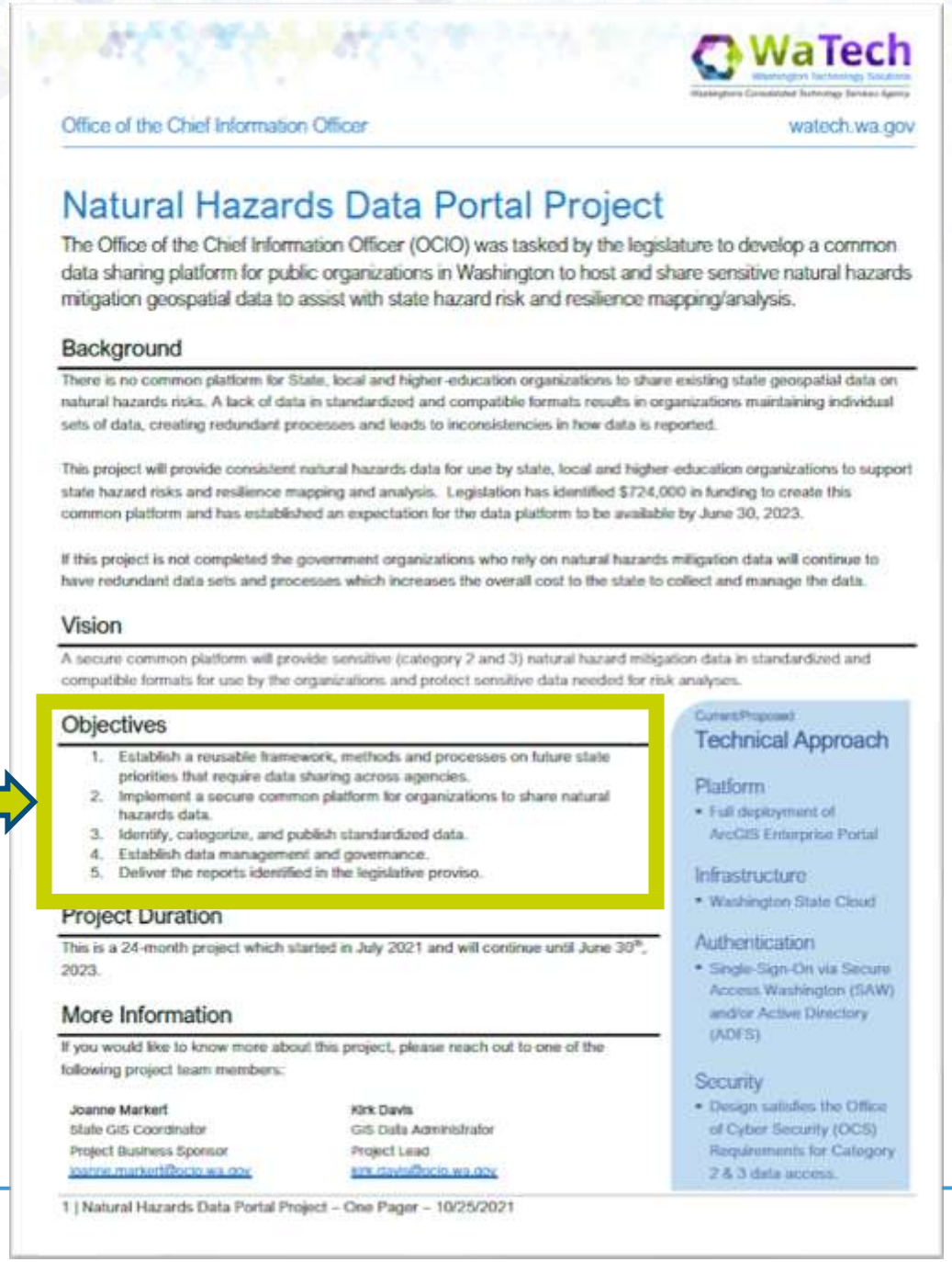
Kirk Davis
GIS Data Administrator
Project Lead
kirk.davis@ocio.wa.gov

1 | Natural Hazards Data Portal Project – One Pager – 10/25/2021

What is GeoPortal 2.0?

Natural Hazards Mitigation Data Portal Project **OBJECTIVES**

1. Establish a reusable framework, methods and processes for future state priorities across agencies.
2. Implement a secure, common platform to share natural hazards data.
3. Identify, categorize, and publish standardized data.
4. Establish data management and governance.
5. Deliver reports identified in the legislative proviso.



WaTech

Office of the Chief Information Officer watech.wa.gov

Natural Hazards Data Portal Project

The Office of the Chief Information Officer (OCIO) was tasked by the legislature to develop a common data sharing platform for public organizations in Washington to host and share sensitive natural hazards mitigation geospatial data to assist with state hazard risk and resilience mapping/analysis.

Background

There is no common platform for State, local and higher-education organizations to share existing state geospatial data on natural hazards risks. A lack of data in standardized and compatible formats results in organizations maintaining individual sets of data, creating redundant processes and leads to inconsistencies in how data is reported.

This project will provide consistent natural hazards data for use by state, local and higher-education organizations to support state hazard risks and resilience mapping and analysis. Legislation has identified $724,000 in funding to create this common platform and has established an expectation for the data platform to be available by June 30, 2023.

If this project is not completed the government organizations who rely on natural hazards mitigation data will continue to have redundant data sets and processes which increases the overall cost to the state to collect and manage the data.

Vision

A secure common platform will provide sensitive (category 2 and 3) natural hazard mitigation data in standardized and compatible formats for use by the organizations and protect sensitive data needed for risk analyses.

Objectives

1. Establish a reusable framework, methods and processes on future state priorities that require data sharing across agencies.
2. Implement a secure common platform for organizations to share natural hazards data.
3. Identify, categorize, and publish standardized data.
4. Establish data management and governance.
5. Deliver the reports identified in the legislative proviso.

Project Duration

This is a 24-month project which started in July 2021 and will continue until June 30th, 2023.

More Information

If you would like to know more about this project, please reach out to one of the following project team members:

Joanne Markert
State GIS Coordinator
Project Business Sponsor

Kirk Davis
GIS Data Administrator
Project Lead

Current/Proposed
Technical Approach

Platform
- Full deployment of ArcGIS Enterprise Portal

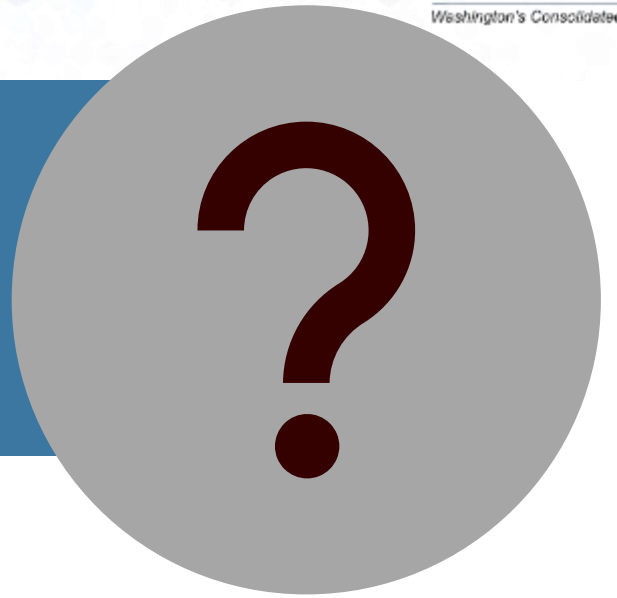
Infrastructure
- Washington State Cloud

Authentication
- Single-Sign-On via Secure Access Washington (SAW) and/or Active Directory (ADFS)

Security
- Design satisfies the Office of Cyber Security (OCS) Requirements for Category 2 & 3 data access.

1 | Natural Hazards Data Portal Project – One Pager – 10/25/2021

How do I share this?!

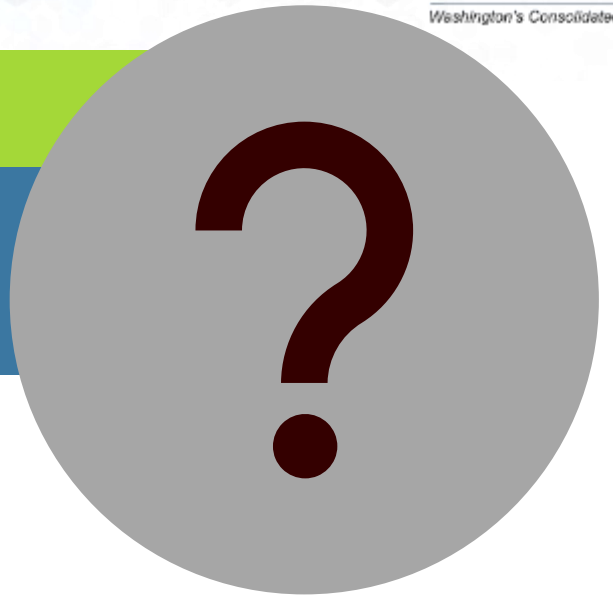


Examples of Category 2 (or higher) data:

- Parcels with Ownership Info
- Statewide Address Points (incl. NG911 points)
- # of insurance policies by type by Zip Code (OIC)
- Some Critical Infrastructure datasets

QUICK REVIEW

What are the data categories?!



Category 1 = Public Information

Category 2 = Sensitive Information

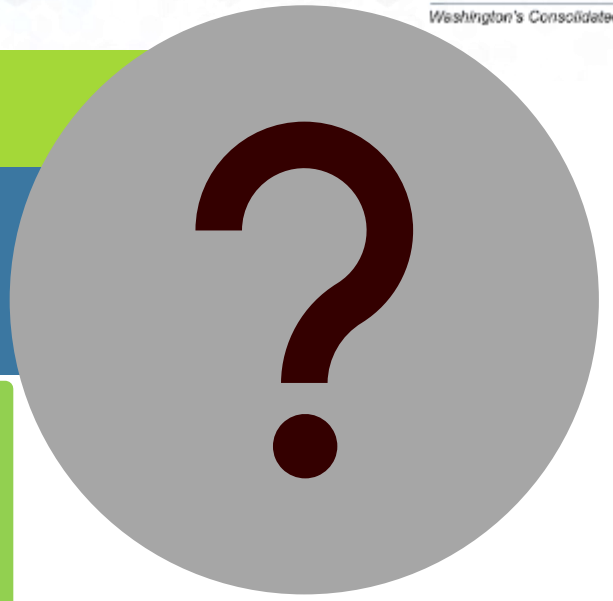
Category 3 = Confidential Information

Category 4 = Confidential Information Requiring Special Handling

Source - https://ocio.wa.gov/policy/securing-information-technology-assets-standards

QUICK REVIEW

What are the data categories?!



Category 1 = Public Information

Category 2 = Sensitive Information

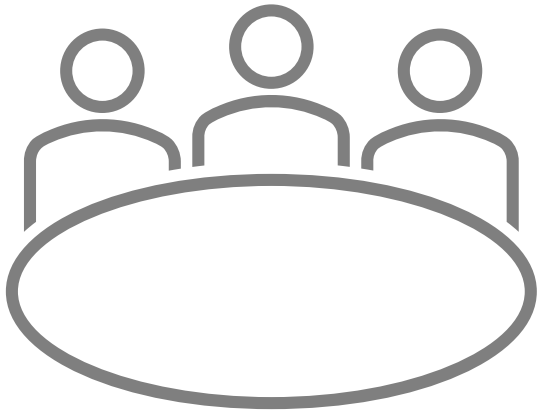
Category 3 = Confidential Information

Category 4 = Confidential Information Requiring Special Handling

Source - https://ocio.wa.gov/policy/securing-information-technology-assets-standards

Natural Hazards Mitigation Data Portal Project

Current Project Status



Current Project Status

Data Needs Survey – Initial Results

WaTech
Washington Technology Solutions
Washington's Consolidated Technology Services Agency

DATASETS USED/NEEDED

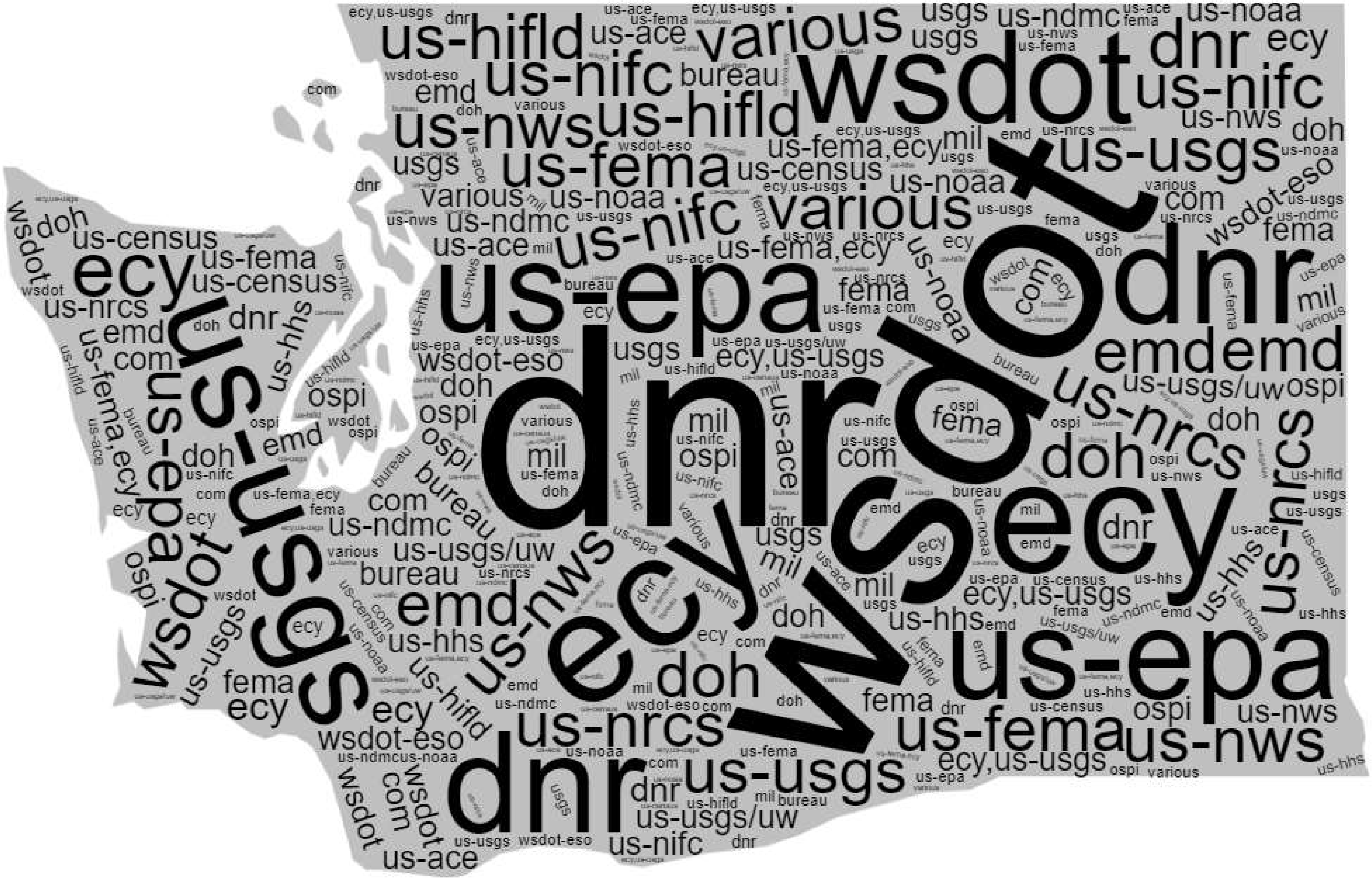
~80

Current Project Status

Data Needs Survey – Initial Results

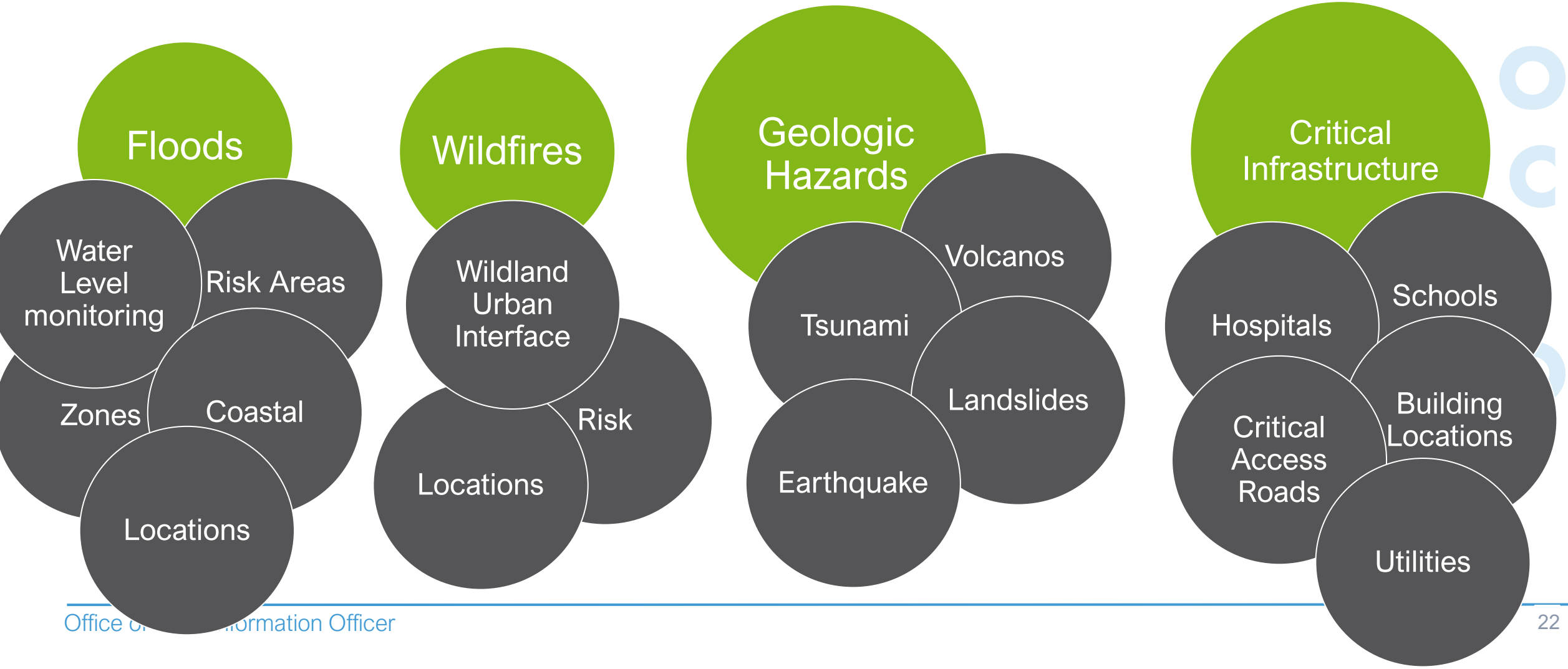
DATA SOURCE AGENCY

~22



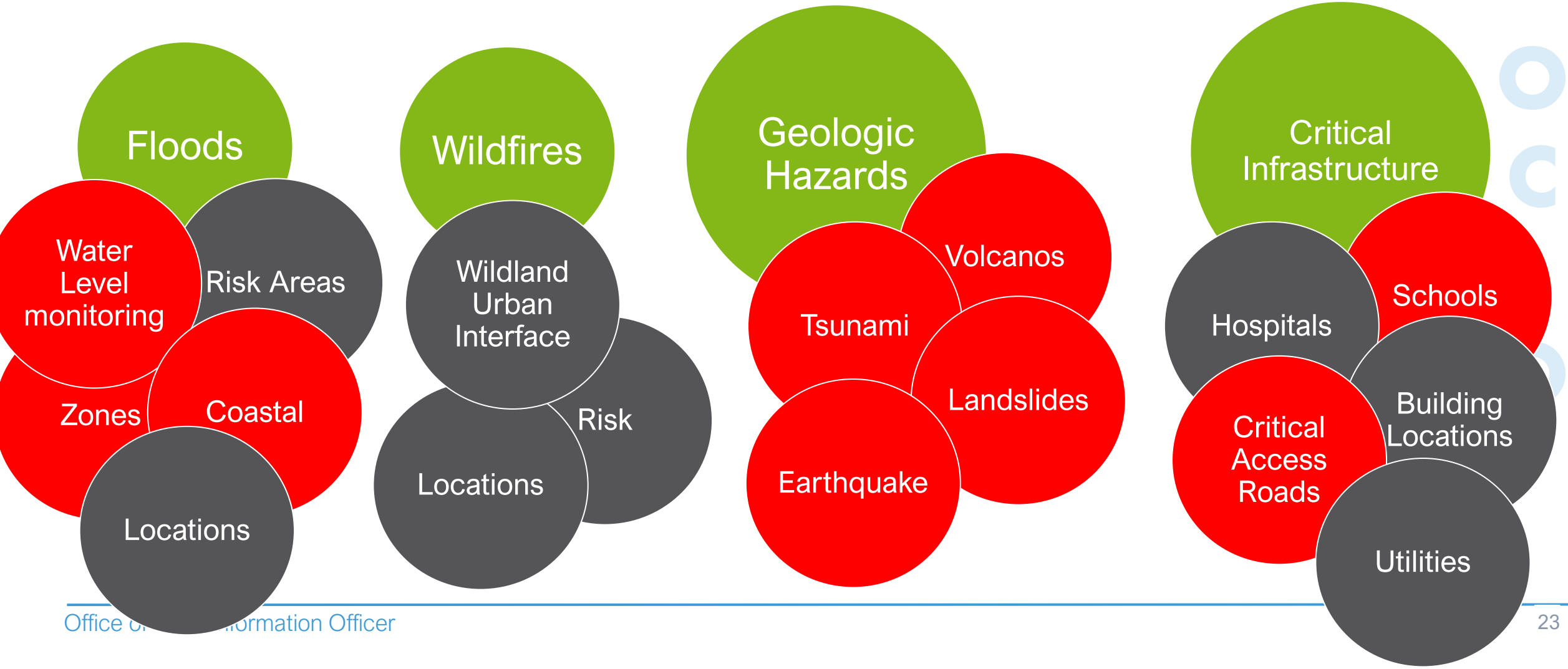
Current Project Status

Data Needs Survey – Initial Results



Current Project Status

Data Needs Survey – Initial Results



Current Project Status

Data Needs Survey – Initial Results

Datasets – Survey General Themes

- Critical Infrastructure!
- Most of the data is already publicly available
- Sharing data didn’t seem to be top of mind
- Climate change is an underlying theme
- Uses - typically web app or overlay analysis
- Federal datasets fill some gaps

Thank you! Any Questions?

If you need more information, please reach out!

Joanne Markert

Joanne.markert@ocio.wa.gov